

Department of Oral Medicine & Radiology

Oral Medicine and Radiology is the department which first greets and examines the patient, diagnoses and formulates a treatment plan for all the patients visiting Goa Dental College and Hospital. A good oral physician requires to be confident, knowledgeable, compassionate, humble and empathetic. These skills and traits help us in developing a good rapport with the patients, which puts the patient at ease and builds patient-doctor trust.

The Oral Medicine & Radiology department is subdivided into three sections:

- Oral Medicine is a dental speciality that bridges the traditional areas of health between dentistry and medicine. It is concerned with disorders of the oral and facial region, including orofacial manifestations of systemic diseases. The specialists of this field are empowered to provide care to patients with a wide variety of orofacial conditions, including oral mucosal diseases, orofacial pain syndromes, TM joint disorders, salivary gland disorders, and oral manifestations of systemic diseases. Oral cancer screening and relevant investigations are carried out. The Oral Medicine section is also involved in teaching and research involving orofacial diseases; systemic and behavioural disorders that impact oral health.
- The Oral Radiology section deals with the acquisition and interpretation of radiographic imaging studies performed for diagnosis or treatment guidance for conditions affecting the maxillofacial region. The department is equipped with three intra-oral Periapical dental x-ray machines, 2 RVGs, one Digital Panoramic (OPG) x-ray machine for extra-oral radiography and one Cone Beam Computed Tomography (CBCT) machine for three-dimensional imaging.
- The Forensic Dentistry section deals with Age estimation in medico legal cases as well as sports authority cases, Bite-mark Investigations in criminal cases, Identifying Unknown bodies, Facial reconstruction and other cases referred by Forensic Medicine Dept. A dedicated Forensic Dentistry Clinic was inaugurated on 12 March 2016 at the hands of Mr. Sudhir Mahajan, ex-Secretary Health, Goa.

Faculty

Teaching Staff

- Professor & Head: Dr. Manisha M. Khorate, MDS, PhD
- Assistant Professor: Dr. Sapna S. RautDessai, MDS
- Assistant Professor: Dr. Nigel R. Figueiredo, MDS
- Lecturer: Dr. Aniket U. Vaidya, MDS
- Lecturer: Dr. Prachi M. Desai, MDS
- Lecturer: Dr. Pratiksha S. Keny, MDS
- Senior Resident: Dr. Thilak Thomas John, MDS
- MDS (On Bond): Dr. Ravi Kumar, MDS
- MDS (On Bond): Dr. Sushmita Wayadande, MDS
- MDS (On Bond): Dr. Medhana Mangaonker, MDS

Non Teaching Staff

- Staff Nurse: Mrs. Trupti Madkaikar
- Staff Nurse: Mrs. Vaishali Naik
- Staff Nurse: Mrs. Prajacta Gawas
- Radiographic Technician: Mr. Mahesh Velip
- Radiographic Technician: Mr. Ankur Gawas
- Radiographic Technician: Mrs. Siddhi Gawas
- X-Ray Technician (on Contract): Ms. Harsha N. Mapari
- Multi-Tasking Staff (MTS): Mr. Shekhar Gawas
- Multi-Tasking Staff (MTS): Mr. Dileep Pilyekar
- Attendant Utility(on contract): Smt. Renuka Harijan
- LDC (Registration Counter): Mrs. Sharmila Gaude

Types of Treatments

Services Provided in the Department

1. OPD Examination and formulation of Treatment Plan for all patients
2. Diagnosis and Management of:
 - Pre-cancerous lesions and conditions
 - Immune mediated lesions
 - Oral Viral Infections
 - Oral Fungal Infections
 - Other oral mucosal lesions
 - Temporomandibular joint disorders and other chronic orofacial pain [pharmacotherapy and physiotherapy (Infra-red therapy)]

- Salivary gland dysfunction [retrograde irrigation, Transcutaneous Electrical Nerve Stimulation (TENS) therapy]
 - Oral Complications of post-radiotherapy and post-chemotherapy (Mucositis, Xerostomia, Osteoradionecrosis)
 - Neurologic disorders (Bell's Palsy, Trigeminal Neuralgia)
 - Oral manifestations of systemic diseases (Renal disease, Anemia, Gastro-intestinal disorders)
3. Diagnosis of Head & Neck Cancer, Cysts and Tumors of the jaws
 4. Investigative procedures:
 - Sialometry, Sialography for salivary gland disorders
 - Vital staining for oral precancerous lesions
 - Pulp-vitality testing
 5. Radiographic Investigations:
 - Intra-oral: Periapical (IOPA), Occlusal, Bitewing
 - Extra-oral: Panoramic (OPG), Lateral & PA Cephalogram, Paranasal Sinus View (PNS), Sub-mento Vertex (SMV), PA Skull / Mandible, Lateral Oblique, TMJ radiography
 - 3-D Imaging: CBCT
 6. Forensic Dentistry
 - Age Estimation – Juvenile & Adult
 - Bite Mark analysis
 - Person Identification
 - Facial Reconstruction
 7. Issue of Medical Fitness, Disability certificates

Academics

Academics

Undergraduate Students: 50 per year

Post graduate Students: 3 per year

Placement of post graduate students:

- Private Dental College: 1
- Private Practitioners: 4

Publications

- 1. Dr. Manisha M. Khorate & Dr. Aniket U. Vaidya co-authored a chapter on 'Cone Beam Computed Tomography: A Diagnostic

Innovation in Dentistry’ in a book titled “Oral Diagnostics Tools and Techniques” (Editor: Ashutosh Kumar Shukla) published in 2023

- 2. Dr. Manisha M. Khorate & Dr. Prachi M. Desai co-authored a chapter on ‘The Application of MRI in Dentomaxillofacial Pathologies’ in a book titled “Oral Diagnostics Tools and Techniques” (Editor: Ashutosh Kumar Shukla) published in 2023

Awards

1. Dr. Shivangi Vasta, Dr. Kashyap Bandodkar, Dr. Haritha K.V. & Dr. Adhersh S. won the Best Paper Presentation Award at the 35th IAOMR National Conference 2024 held at Yenepoya Dental College, Mangaluru, Karnataka from 22-24 November 2024.
2. Dr. Medhana Mangaonker & Dr. Kashyap Bandodkar won the Best Paper Presentation Award at the 19th Goa State Indian Dental Association Conference held at Radisson Blu Resort, Cavelossim, Goa from 28-29 September 2024.
3. Dr. Sonali Parvatkar won the Best Paper Presentation Award at the National IAOMR PG Convention 2024 held at Sardar Patel Post Graduate Institute of Dental & Medical Sciences, Lucknow, Uttar Pradesh from 23-24 August 2024.
4. Dr. Sulaksha Calangutkar won 1st place for Poster Presentation at the 21st National OOO Symposium 2024 held at SCB Dental College & Hospital, Cuttack, Orissa on 9-10 March 2024.
5. Dr. Archana A. & Dr. Shivangi Vasta won 2nd place for Poster Presentation at the 21st National OOO Symposium 2024 held at SCB Dental College & Hospital, Cuttack, Orissa on 9-10 March 2024.
6. Dr. Medhana Mangaonker won the Best Paper Presentation Award (Sessional and overall in Case Report category) at the 34th IAOMR National Conference 2023 held at Bapuji Dental College & Hospital, Davanagere, Karnataka on 2-3 December 2023.
7. Dr. Sushmita Wayadande won the Best Paper Presentation Award (Sessional – Original Paper category) at the IAOMR National PG Convention 2023 held at GSL Dental College & Hospital, Rajahmundry, Andhra Pradesh on 18-19 August 2023.

Highlights

1. At the Annual General Body Meeting held at XXXIV National Conference of the Indian Academy of Oral Medicine & Radiology, held at Bapuji Dental College & Hospital, Davangere on 1stDecember 2023, Dr. Manisha M. Khorate was elected as the Editor-In-Chief of the Journal of Indian Academy of Oral Medicine & Radiology (JIAOMR) for 2024-2025.
2. Dr. Manisha M. Khorate served as President of the Indian Dental Association (IDA) – Goa State Branch for the year 2024.
3. The Department has been participating in the ‘Cancer Screening Abhiyaan’ organized by the Public Health Dept, Government of Goa in different talukas across the state, where patients are examined for potentially malignant and other oral lesions.
4. Staff from the department examine patients at Community Health Centre, Valpoi twice a month and also carry out visits to the Central Jail, Colvale once a month for screening and following-up patients with oral lesions.
5. The Department organized a CDE program titled ‘All About Cone Beam Computed Tomography’ on 26th November 2023, with Dr. Kuhu Majumdar as the guest speaker to commemorate Radiology Day.
6. Information, Education and Communication (IEC) activities like Essay Writing and Slogan writing for undergraduates and post-graduates were organized by the department to observe Suicide Prevention Week from 10th to 16th September 2024

